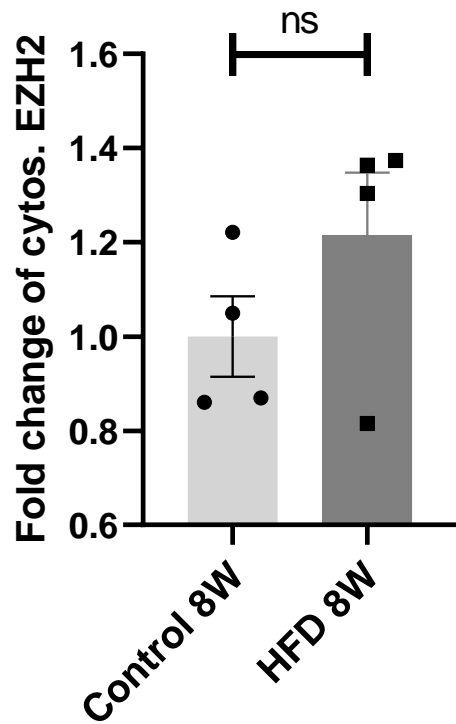


B

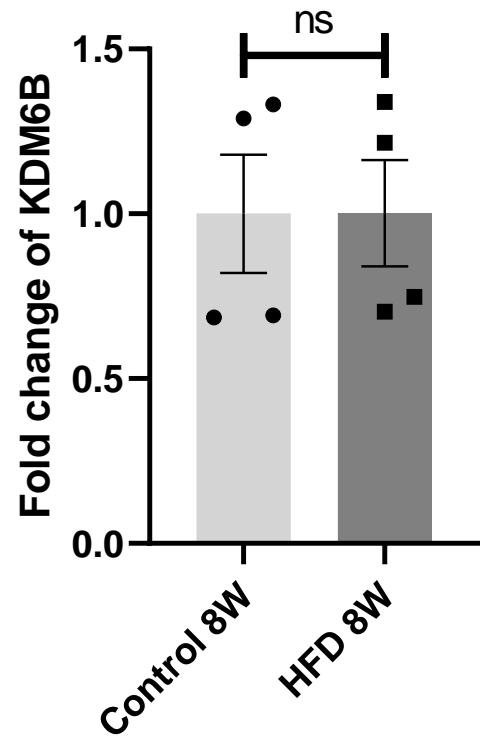
Control Diet	Gm%	Kcal%	High Fat Diet	Gm%	Kcal%
Carbohydrate	67.3	70%	Carbohydrate	26.3	20%
Protein	19.2	20%	Protein	26.2	20%
Fat	4.3	10%	Fat	34.9	60%
Ingredient	Gm	Kacl	Ingredient	Gm	Kacl
Casein, 80 Mesh	200	800	Casein, 80 Mesh	200	800
L-Cystein	3	12	L-Cystein	3	12
Corn Starch	315	1260	Corn Starch	0	0
Maltodextrine 10	35	140	Maltodextrine 10	125	500
Sucrose	350	1400	Sucrose	68.8	275.2
Cellulose, BW200	50	0	Cellulose, BW200	50	0
Soybean Oil	25	225	Soybean Oil	25	225
Lard	20	180	Lard	245	2205
Mineral Mix S10026	10	0	Mineral Mix S10026	10	0
DiCalcium Phosphate	13	0	DiCalcium Phosphate	13	0
Calcium Carbonate	5.5	0	Calcium Carbonate	5.5	0
Potassium Citrate, 1 H2O	16.5	0	Potassium Citrate, 1 H2O	16.5	0
Vitamin Mix V10001	10	40	Vitamin Mix V10001	10	40
Choline Bitartrate	2	0	Choline Bitartrate	2	0
FD&C Yellow Dye #5	0.05	0	FD&C Yellow Dye #5	0.05	0

Figure S1 Panel A graphical representation of the experimental *in vivo* timeline of diet supply, oral glucose tolerance tests (OGTT) and livers collection. Panel B Composition of Control and High Fat Diet.

A



B



C

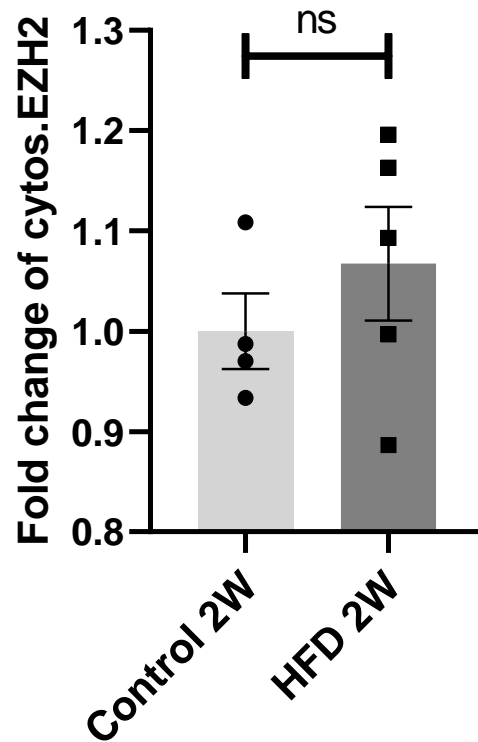


Figure S2 A. Fold change of cytosolic expression of EZH2 after 8 weeks of Control or HFD. B. Fold change of KDM6B after 8 weeks of Control or HFD. C. Fold change of cytosolic concentration of EZH2 after 2 weeks of Control or HFD